

Preliminary Draft List of Species Currently Proposed to Be Included in the CALFED Conservation Strategy

August 26, 1998

Preliminary Criteria for Inclusion on this List

This is a list of special-status species in the Ecosystem Restoration Program's (ERP) 14 Ecological Zones. The list was developed using the criteria described below. Species shaded in gray and coded "NI" in the "Decision Criteria" column are those special-status species that do not meet the preliminary criteria for inclusion and would most likely not be addressed in the Conservation Strategy.

Special-Status Species

Special-status species are any species having some form of endangerment or concern status.

Special-status species are species that are:

- federally listed as threatened or endangered under the Endangered Species Act (ESA);
- California listed as threatened or endangered under the California Endangered Species Act (CESA);
- proposed for federal listing under the ESA;
- California candidates under the CESA;
- federal candidates under the ESA;
- California fully protected species or specified birds;
- California species of special concern (CSC);
- California Native Plant Society (CNPS) List 1A, List 1B, List 2, or List 3; or
- other species of concern to CALFED.

The list includes all special-status species known to occur or with the potential to occur in the ERP Ecological Zones. The determination that a species has the potential to occur was based on the species' known range and the presence of suitable habitat within ERP Ecological Zones.

Species Addressed by the Conservation Strategy

Criteria for selection of species to potentially be covered in the Conservation Strategy are:

- the species is federally or California listed as rare, threatened, or endangered,
- the species is a California fully protected species, or
- the species could become federally or California listed as threatened or endangered during the term of CALFED implementation, and
- the species could be affected by CALFED actions.

Species considered to have the potential to become federally or California listed as threatened or endangered during the term of CALFED implementation are those that are:

- proposed for federal listing,
- California candidates,
- federal candidates,
- California species of special concern (each species considered individually for inclusion - see Decision Criteria),
- specified birds (each species considered individually for inclusion - see Decision Criteria),
- CNPS List 1 and List 2 (each species considered individually for inclusion - see Decision Criteria), or
- Other species of concern (each species considered individually for inclusion - see Decision Criteria).

CSC, specified birds, CNPS Lists 1-3, and other species of concern are included if CALFED actions could affect a substantial portion of the species' range or important habitat or if the species is rare or its distribution is limited.

* See Write-up on Definitions of Species Goals, "R", "r" and "M"

*Species
Goals*

Type ¹	Common Name ²	Scientific Name	Status ³			Potential Effects of CALFED Actions on Species ⁴		
			Federal	State	Other	May Be Affected	Not Likely to be Affected	Not Enough Information on the Species
Federally Listed as Endangered or Threatened								
M	M San Joaquin kit fox	<i>Vulpes macrotis mutica</i>	E	CT	-	X		L
M	M Giant kangaroo rat	<i>Dipodomys ingens</i>	E	CE	-		X2	L
M	M Salt marsh harvest mouse	<i>Reithrodontomys raviventris</i>	E	CE/FP	-	X		L
R	B Least Bell's vireo	<i>Vireo bellii pusillus</i>	E	E	-	X		L
M	B Northern spotted owl	<i>Strix occidentalis caurina</i>	T	CSC	-		X2	L

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Preliminary Determination

"R" "r" and "m"

1 0 2 5 7 5 2

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**Potential Effects of CALFED
Actions on Species⁴**

Type ¹	Common Name ²	Scientific Name	Status ³			May Be Affected	Not Likely to be Affected	Not Enough Information on the Species	Decision Criteria ⁵
			Federal	State	Other				
B	Northern spotted owl critical habitat	<i>Strix occidentalis caurina critical habitat</i>							
M	California least tern	<i>Sterna antillarum browni</i>	E	CT/FP	-	X			L
M	Western snowy plover	<i>Charadrius alexandrinus nivosus</i>	T	-	-	X			L
R	California clapper rail	<i>Rallus longirostris obsoletus</i>	E	CE/FP	-	X			L
M	American peregrine falcon	<i>Falco peregrinus anatum</i>	E	CE/FP	-	X			L
B	American peregrine falcon critical habitat	<i>Falco peregrinus anatum critical habitat</i>							
M	Bald eagle	<i>Haliaeetus leucocephalus</i>	T/PR	CE/FP	-	X			L
M	California condor	<i>Gymnogyps californianus</i>	E	CE/FP	-	X1			L
M	Aleutian Canada goose	<i>Branta canadensis leucopareia</i>	T	-	-	X			L
M	California brown pelican	<i>Pelecanus occidentalis californicus</i>	E	CE/FP	-	X1			L
M	Alameda whipsnake	<i>Masticophis lateralis euryxanthus</i>	T	CT	-	X			L
R	Giant garter snake	<i>Thamnophis gigas</i>	T	CT	-	X			L
M	Blunt-nosed leopard lizard	<i>Gambelia silus</i>	E	CE/FP	-	X			L
M	California red-legged frog	<i>Rana aurora draytonii</i>	T	CSC	-	X			L
M	Limestone salamander	<i>Hydromantes brunus</i>	T	-	-	X2			L
R	Delta smelt (R)	<i>Hypomesus transpacificus</i>	T	CT	-	X			L
F	Delta smelt critical habitat	<i>Hypomesus transpacificus critical habitat</i>							
R	Central Valley steelhead Evolutionarily Significant Unit (ESU) (R)	<i>Oncorhynchus mykiss (cv)</i>	T	-	-	X			L
R	Winter-run chinook salmon (R)	<i>Oncorhynchus tshawytscha (wr)</i>	E	CE	-	X			L
F	Winter-run chinook salmon critical habitat	<i>Oncorhynchus tshawytscha critical habitat</i>							
M	Tidewater goby	<i>Eucyclogobius newberryi</i>	E	CSC	-	X			L
M	Callippe silverspot	<i>Speyeria callippe callippe</i>	E	-	-	X			L
M	Lange's metalmark	<i>Apodemia mormo langei</i>	E	-	-	X			L
R	Valley elderberry longhorn beetle	<i>Desmocerus californicus dimorphus</i>	T	-	-	X			L
I	Valley elderberry longhorn beetle critical habitat	<i>Desmocerus californicus dimorphus critical habitat</i>							
R	Delta green ground beetle	<i>Elaphrus viridis</i>	T	-	-	X			L
I	Delta green ground beetle critical habitat	<i>Elaphrus viridis critical habitat</i>							
M	California freshwater shrimp	<i>Syncaris pacifica</i>	E	-	-	X			L
M	Conservancy fairy shrimp	<i>Branchinecta conservatio</i>	E	-	-	X			L

**Potential Effects of CALFED
Actions on Species⁴**

Type ¹	Common Name ²	Scientific Name	Status ³			May Be Affected	Not Likely to be Affected	Not Enough Information on the Species	Decision Criteria ⁵
			Federal	State	Other				
M	I Longhorn fairy shrimp	<i>Branchinecta longiantenna</i>	E	-	-		X2		L
M	I Vernal pool fairy shrimp	<i>Branchinecta lynchii</i>	T	-	-		X		L
M	I Vernal pool tadpole shrimp	<i>Lepidurus packardi</i>	E	-	-		X		L
M	P Antioch Dunes evening-primrose	<i>Oenothera deltoides ssp. howellii</i>	E	CE	IB		X		L
M	P Antioch Dunes evening-primrose critical habitat	<i>Oenothera deltoides ssp. howellii critical habitat</i>							
M	P Butte County meadowfoam	<i>Limnanthes floccosa ssp. californica</i>	E	CE	IB		X2		L
M	P California seablite	<i>Suaeda californica</i>	E	-	IB		X		L
M	P Calistoga popcornflower	<i>Plagiobothrys strictus</i>	E	CT	IB		X2		L
M	P Clara Hunt's milkvetch	<i>Astragalus clarianus</i>	E	CT	IB		X2		L
M	P Colusa grass	<i>Neostapsia colusana</i>	T	CE	IB		X		L
M	P Contra Costa goldfields	<i>Lasthenia conjugens</i>	E	-	IB		X		L
M	P Contra Costa wallflower	<i>Erysimum capitatum ssp. angustatum</i>	E	CE	IB		X		L
M	P Contra Costa wallflower critical habitat	<i>Erysimum capitatum ssp. angustatum critical habitat</i>							
M	P Crampton's tectoria	<i>Tectoria mucronata</i>	E	CE	IB		X		L
M	P El Dorado bedstraw	<i>Galium californicum ssp. sierrae</i>	E	R	IB		X2		L
M	P Few-flowered navarretia	<i>Navarretia leucocephala ssp. pauciflora</i>	E	CT	IB		X2		L
M	P Greene's tectoria	<i>Tectoria greenei</i>	E	R	IB		X		L
M	P Hairy orcutt grass	<i>Orcuttia pilosa</i>	E	CE	IB		X		L
M	P Hartweg's golden sunburst	<i>Pseudobahia bahiensis</i>	E	CE	IB		X		L
M	P Hoover's eriastrum	<i>Eriastrum hooveri</i>	T	-	-		X		L
M	P Hoover's spurge	<i>Chamaesyce hooveri</i>	T	-	IB		X		L
M	P Kenwood Marsh checkerbloom	<i>Sidalcea oregana ssp. valida</i>	E	CE	IB		X		L
M	P Large-flowered fiddleneck	<i>Amsinckia grandiflora</i>	E	CE	IB		X		L
M	P Large-flowered fiddleneck critical habitat	<i>Amsinckia grandiflora critical habitat</i>							
M	P Layne's ragwort	<i>Senecio layneae</i>	T	R	IB		X		L
M	P Loch Lomond button-celery	<i>Eryngium constancei</i>	E	CE	IB		X2		L
M	P Many-flowered navarretia	<i>Navarretia leucocephala ssp. plieantha</i>	E	CT	IB		X2		L
M	P Marin western flax	<i>Hesperolinon congestum</i>	T	CT	IB		X2		L
M	P Napa blue grass	<i>Poa napensis</i>	E	CE	IB		X2		L

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M	Pallid manzanita	<i>Arctostaphylos pallida</i>	T	CE	1B		X2	L
M	Palmate-bracted bird's-beak	<i>Cordylanthus palmatus</i>	E	CE	1B		X	L
M	Pine Hill ceanothus	<i>Ceanothus roderickii</i>	E	R	1B		X2	L
M	Pine Hill flannelbush	<i>Fremontodendron decumbens</i>	E	R	1B		X2	L
M	Pitkin Marsh lily	<i>Lilium pardalinum ssp. pitkinense</i>	E	CE	1B		X	L
M	Sacramento orcutt grass	<i>Orcuttia viscosa</i>	E	CE	1B		X	L
M	San Benito evening-primrose	<i>Camissonia benitensis</i>	T	-	1B		X2	L
M	San Joaquin adobe sunburst	<i>Pseudobahia peirsonii</i>	T	CE	1B		X2	L
M	San Joaquin Valley orcutt grass	<i>Orcuttia inaequalis</i>	T	CE	1B		X	L
M	San Joaquin woollythreads	<i>Lembertia congdonii</i>	E	-	1B		X	L
M	Sebastopol meadowfoam	<i>Limnanthes vinculans</i>	E	CE	1B		X2	L
M	Showy Indian clover	<i>Trifolium amoenum</i>	E	-	1B		X	L
M	Slender orcutt grass	<i>Orcuttia tenuis</i>	T	CE	1B		X	L
R	Soft bird's-beak	<i>Cordylanthus mollis ssp. mollis</i>	E	R	1B		X	L
M	Sonoma alopecurus	<i>Alopecurus aequalis var. sonomensis</i>	E	-	1B		X	L
M	Sonoma spineflower	<i>Chorizanthe valida</i>	E	CE	1B		X2	L
M	Sonoma sunshine	<i>Blennosperma bakeri</i>	E	CE	1B		X2	L
M	Stebbins' morning-glory	<i>Calystegia stebbinsii</i>	E	CE	1B		X2	L
M	Succulent owl's-clover	<i>Castilleja campestris ssp. succulenta</i>	T	CE	1B		X	L
R	Suisun thistle	<i>Cirsium hydrophilum var. hydrophilum</i>	E	-	1B		X	L
M	Tiburon Indian paintbrush	<i>Castilleja affinis ssp. neglecta</i>	E	CT	1B		X2	L
M	Tiburon jewelflower	<i>Streptanthus niger</i>	E	CE	1B		X2	L
M	Tiburon Mariposa lily	<i>Calochortus tiburonensis</i>	T	CT	1B		X2	L
M	White sedge	<i>Carex albida</i>	E	CE	1B		X	L
M	White-rayed pentachaeta	<i>Pentachaeta bellidiflora</i>	E	CE	1B		X2	L
California Listed as Endangered, Threatened, Rare, or Fully Protected								
M	Ringtail	<i>Bassariscus astutus</i>	-	FP	-		X	L
M	Nelson's antelope ground squirrel	<i>Ammospermophilus nelsoni</i>	-	CT	SC		X	L
R	Riparian brush rabbit	<i>Sylvilagus bachmani riparius</i>	PE	CE	-		X	L

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			Federal	State	Other	May Be Affected	Not Likely to be Affected	Not Enough Information on the Species
R	B Little willow flycatcher	<i>Empidonax traillii brewsteri</i>	-	CE	SC	X		L
R	B Bank swallow	<i>Riparia riparia</i>	-	CT	-	X		L
R	B Western yellow-billed cuckoo	<i>Coccyzus americanus occidentalis</i>	-	CE	-	X		L
R	B Greater sandhill crane	<i>Grus canadensis tabida</i>	-	CT/FP	-	X		L
R	B California black rail	<i>Laterallus jamaicensis coturniculus</i>	-	CT/FP	SC	X		L
M	B White-tailed kite	<i>Elanus leucurus</i>	-	FP	-	X		L
M	B Golden eagle	<i>Aquila chrysaetos</i>	PR	CSC/FP	-		X1	L
R	B Swainson's hawk	<i>Buteo swainsoni</i>	-	CT	SC	X		L
M	P Baker's larkspur	<i>Delphinium bakeri</i>	PE	R	1B		X2	L
M	P Baker's manzanita	<i>Arctostaphylos bakeri ssp. bakeri</i>	-	R	1B/SC		X2	L
M	P Boggs Lake hedge-hyssop	<i>Gratiola heterosepala</i>	-	CE	1B	X		L
M	P California vervain	<i>Verbena californica</i>	PT	CT	1B		X2	L
M	P Chinese Camp brodiaea	<i>Brodiaea pallida</i>	PE	CE	1B	X		L
R	P Delta coyote-thistle	<i>Eryngium racemosum</i>	-	CE	1B/SC	X		L
M	P Indian Valley brodiaea	<i>Brodiaea coronaria ssp. Rosea</i>	-	CE	1B		X2	L
M	P Ione buckwheat	<i>Eriogonum apricum var. apricum</i>	PE	CE	1B		X2	P
M	P Irish Hill buckwheat	<i>Eriogonum apricum var. prostratum</i>	PE	CE	1B		X2	L
M	P Marin checkerbloom	<i>Sidalcea hickmanii ssp. viridis</i>	-	R	1B/SC		X2	L
M	P Mason's ceanothus	<i>Ceanothus masonii</i>	-	R	1B/SC		X2	L
R	P Mason's lilaeopsis	<i>Lilaeopsis masonii</i>	-	R	1B/SC	X		L
M	P Mt. Diablo bird's-beak	<i>Cordylanthus nidularius</i>	-	R	1B/SC		X2	L
M	P North Coast semaphore grass	<i>Pleuropogon hooverianus</i>	-	R	1B/SC		X2	L
M	P Rock sanicle	<i>Sanicula saxatilis</i>	-	R	1B/SC	X		L
M	P Santa Cruz tarplant	<i>Holcarpha macradenia</i>	PT	CE	1B		X2	L
M	P Yellow larkspur	<i>Delphinium luteum</i>	PE	R	1B		X2	L

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			Federal	State	Other	May Be Affected	Not Likely to be Affected	Not Enough Information on the Species
Federally Proposed								
R	M San Joaquin Valley woodrat	<i>Neotoma fuscipes riparia</i>	PE	CSC	-	X		P
R	F Sacramento splittail	<i>Pogonichthys macrolepidotus</i>	PT	CSC	-	X		P
R	F Central Valley fall-run chinook salmon (R)	<i>Oncorhynchus tshawytscha (fr)</i>	PT	CSC	-	X		P
R	F Central Valley spring-run chinook salmon (R)	<i>Oncorhynchus tshawytscha (sr)</i>	PE	CCT	-	X		P
M	P Ione manzanita	<i>Arctostaphylos myrtifolia</i>	PT	-	IB		X2	P
M	P Rawhide Hill onion	<i>Allium tuolumnense</i>	PT	-	IB	X		P
Federal Candidate								
M	B Mountain plover	<i>Charadrius montanus</i>	C	CSC	-	X		P
M	A California tiger salamander	<i>Ambystoma californiense</i>	C	CSC	-	X		P
California Species of Special Concern, or CNPS List 1 or 2								
M	American badger	<i>Taxidea taxus</i>	-	CSC	-	X		NI
M	Pacific fisher	<i>Martes pennanti pacifica</i>	-	CSC	SC	X2		NI
M	California red tree vole	<i>Phenacomys longicaudus</i>	-	CSC	SC	X2		NI
M	Marysville California kangaroo rat	<i>Dipodomys heermanni eximus</i>	-	CSC	SC	X		NI
M	Short-nosed kangaroo rat	<i>Dipodomys nitratoides brevipes</i>	-	CSC	SC	X2		NI
M	M Greater western mastiff bat	<i>Eumops perotis californicus</i>	-	CSC	SC	X		A
M	M Hoary bat	<i>Lasiurus cinereus</i>	-	CSC	-		X1	NI
M	M Pacific western big-eared bat	<i>Plecotus townsendii townsendii</i>	-	CSC	SC		X1	NI
M	M Pale Townsend's big-eared bat	<i>Plecotus townsendii pallidus</i>	-	CSC	SC	X		NI
M	M Pallid bat	<i>Anuroderus pallidus</i>	-	CSC	-		X1	NI
M	M Silver-haired bat	<i>Lasionycteris noctivagans</i>	-	CSC	-		X1	NI
M	M Spotted bat	<i>Euderma maculatum</i>	-	CSC	SC		X2	NI
R	M Suisun ornate shrew	<i>Sorex ornatus sinuosus</i>	-	CSC	SC	X		B
r	B Alameda song sparrow	<i>Melospiza melodia pusilla</i>	-	CSC	SC	X		A
B	Bell's sage sparrow	<i>Amphispiza belli belli</i>	-	CSC	SC		X2	NI
r	B California yellow warbler	<i>Dendroica petechia brewsteri</i>	-	CSC	-	X		A
M	B Grasshopper sparrow	<i>Ammodramus savannarum</i>	-	CSC	-	X		B
r	B Saltmarsh common yellowthroat	<i>Geothlypis trichas sinuosa</i>	-	CSC	SC	X		A
r	B San Pablo song sparrow	<i>Melospiza melodia samuelis</i>	-	CSC	SC	X		A

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Potential Effects of CALFED
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Type ¹	Common Name ²	Scientific Name	Status ³			May Be Affected	Not Likely to be Affected	Not Enough Information on the Species	Decision Criteria ⁵
			Federal	State	Other				
R	B Suisun song sparrow	<i>Melospiza melodia maxillaris</i>	-	CSC	SC	X			A
M	B Tricolored blackbird	<i>Agelaius tricolor</i>	-	CSC	SC	X			A
M	B Yellow-breasted chat	<i>Icteria virens</i>	-	CSC	-	X			A
B	Loggerhead shrike	<i>Lanius ludovicianus</i>	CSC			X			NI
B	Purple martin	<i>Progne subis</i>	CSC			X1			NI
B	California spotted owl	<i>Strix occidentalis occidentalis</i>	-	CSC	SC	X2			NI
M	B Long-eared owl	<i>Asio otus</i>	-	CSC	-	X			B
M	B Short-eared owl	<i>Asio flammeus</i>	-	CSC	-	X			B
M	B Western burrowing owl	<i>Athene cunicularia hypugea</i>	-	CSC	SC	X			A
M	B California gull	<i>Larus californicus</i>	-	CSC	-	X			B
M	B Black tern	<i>Chlidonias niger</i>	-	CSC	SC	X			B
M	B Long-billed curlew	<i>Numenius americanus</i>	-	CSC	-	X			A
B	Yellow rail	<i>Coturnicops noveboracensis</i>	-	CSC	-	X1			NI
B	Merlin	<i>Falco columbarius</i>	CSC			X1			NI
B	Prairie falcon	<i>Falco mexicanus</i>	CSC			X1			NI
M	B Cooper's hawk	<i>Accipiter cooperii</i>	-	CSC	-	X			A
B	Ferruginous hawk	<i>Buteo regalis</i>	-	CSC	SC	X1			NI
M	B Northern harrier	<i>Circus cyaneus</i>	-	CSC	-	X			A
M	B Osprey	<i>Pandion haliaetus</i>	-	CSC/SB	-	X			A
B	Sharp-shinned hawk	<i>Accipiter striatus</i>	-	CSC	-	X1			NI
B	Harlequin duck	<i>Histrionicus histrionicus</i>	-	CSC	SC	X1			NI
M	B White-faced ibis	<i>Plegadis chihi</i>	-	CSC	SC	X			A
R	B Western least bittern	<i>Ixobrychus axillaris</i>	-	CSC	SC	X			A
M	B Double-crested cormorant (rookery)	<i>Phalacrocorax auritus</i>	-	CSC	-	X			A
B	American white pelican	<i>Pelecanus erythrorhynchos</i>	-	CSC	SC	X			NI
M	R San Joaquin whipsnake	<i>Masticophis flagellum ruddocki</i>	-	CSC	SC	X			B
R	California horned lizard	<i>Phrynosoma coronatum frontale</i>	-	CSC	SC	X			NI
R	Silvery legless lizard	<i>Anniella pulchra pulchra</i>	-	CSC	SC	X2			NI
R	Western pond turtle	<i>Clemmys marmorata</i>	-	CSC	SC	X			A
A	Tailed frog	<i>Ascaphus truei</i>	-	CSC	SC	X2			NI

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Type ¹	Common Name ²	Scientific Name	Status ³			Potential Effects of CALFED Actions on Species ⁴		
			Federal	State	Other	May Be Affected	Not Likely to be Affected	Not Enough Information on the Species
M A	Foothill yellow-legged frog	<i>Rana boylii</i>	-	CSC	SC	X		A
M A	Western spadefoot	<i>Scaphiopus hammondii</i>	-	CSC	SC	X		A
F F	Hardhead	<i>Mylopharodon conocephalus</i>	-	CSC	-	X		B
F F	Pit roach	<i>Lavinia symmetricus mitrulus</i>	CSC	SC		X2		NI
F F	Sacramento perch	<i>Archoplites interruptus</i>	-	CSC	SC	X		B
F F	San Joaquin roach	<i>Lavinia symmetricus ssp. (San Joaquin)</i>	-	CSC	SC	X2		NI
R F	Longfin smelt	<i>Spirinchus thaleichthys</i>	-	CSC	-	X		B
F F	McCloud River redband trout	<i>Oncorhynchus mykiss ssp.</i>	CSC	SC		X2		NI
R F	Green sturgeon (R)	<i>Acipenser medirostris</i>	-	CSC	-	X		B
F F	Kern brook lamprey	<i>Lampetra hubbsi</i>	CSC	SC		X2		NI
F F	River lamprey	<i>Lampetra ayresi</i>	CSC	-		X		NI
M I	Monarch butterfly (roost)	<i>Danaus plexippus</i>	-	CSC	-	X		B
P P	Adobe-lily	<i>Fritillaria pluriflora</i>		IB/SC		X2		NI
M P	Ahart's dwarf rush	<i>Juncus leiospermus var. ahartii</i>		IB/SC		X		B
P P	Ahart's paronychia	<i>Paronychia ahartii</i>		IB/SC		X		NI
F P	Alkali milkvetch	<i>Astragalus tener var. tener</i>		IB/SC		X		A
P P	American scheuchzeria	<i>Scheuchzeria palustris var. americana</i>			2	X		NI
P P	Anthony Peak lupine	<i>Lupinus antonius</i>		IB/SC		X2		NI
M P	Arburua Ranch jewelflower	<i>Streptanthus insignis ssp. lyonii</i>	-	-	IB/SC	X		B
P P	Baker's navarretia	<i>Navarretia leucocephala ssp. bakeri</i>		IB		X		NI
P P	Beaked clarkia	<i>Clarkia rostrata</i>		IB/SC		X		NI
P P	Bearded popcornflower	<i>Plagiobothrys hystrixulus</i>		IA		X2		NI
P P	Bellinger's meadowfoam	<i>Limnanthes floccosa ssp. bellingeriana</i>		IB/SC		X2		NI
M P	Ben Lomond buckwheat	<i>Eriogonum nudum var. decurrens</i>	-	-	IB	X		B
M P	Big tarplant	<i>Blepharizonia plumosa ssp. plumosa</i>	-	-	IB	X		B
P P	Big-scale balsamroot	<i>Balsamorhiza macrolepis var. macrolepis</i>		IB		X		NI
P P	Brandegee's eriastrum	<i>Eriastrum brandegeae</i>		IB/SC		X2		NI
P P	Brewer's western flax	<i>Hesperolinon breweri</i>		IB/SC		X		NI
F P	Bristly sedge	<i>Carex comosa</i>	-	-	2	X		B
M P	Brittlescale	<i>Atriplex depressa</i>	-	-	IB/SC	X		A

Potential Effects of CALFED
Actions on Species⁴

Type ¹	Common Name ²	Scientific Name	Status ³			May Be Affected	Not Likely to be Affected	Not Enough Information on the Species	Decision Criteria ⁵
			Federal	State	Other				
P	Butte County checkerbloom	<i>Sidalcea robusta</i>	-	-	IB/SC	X	X2		NI
P	Butte County fritillary	<i>Fritillaria eastwoodiae</i>	-	-	IB/SC	X	X2		NI
M	California beaked-rush	<i>Rhynchospora californica</i>	-	-	IB/SC	X			A
P	Calistoga ceanothus	<i>Ceanothus divergens</i>	-	-	IB/SC	X	X2		NI
P	Cantelow's lewisia	<i>Lewisia cantelovii</i>	-	-	IB	X	X2		NI
P	Canyon Creek stonecrop	<i>Sedum paradiseum</i>	-	-	IB/SC	X	X2		NI
P	Caper-fruited tropidocarpum	<i>Tropidocarpum capparideum</i>	-	-	IA/SC	X	X2		NI
P	Carquinez goldenbush	<i>Isocoma arguta</i>	-	-	IB/SC	X			NI
P	Cascade alpine campion	<i>Silene suksdorfii</i>	-	-	2		X2		NI
P	Closed-throated beardtongue	<i>Penstemon personatus</i>	-	-	IB/SC	X	X2		NI
P	Cobb Mountain lupine	<i>Lupinus sericatus</i>	-	-	IB	X	X2		NI
P	Colusa layia	<i>Layia septentrionalis</i>	-	-	IB	X	X2		NI
M	Congdon's lomatium	<i>Lomatium congdonii</i>	-	-	IB/SC	X			B
M	Congdon's tarplant	<i>Hemizonia parryi ssp. congdonii</i>	-	-	IB/SC	X			A
M P	Contra Costa manzanita	<i>Arctostaphylos manzanita ssp. laevigata</i>	-	-	IB	X			B
P	Coulter's goldfields	<i>Lasthenia glabrata ssp. coulteri</i>	-	-	IB	X			NI
P	Cut-leaved ragwort	<i>Senecio eurycephalus var. lewisrosei</i>	-	-	IB	X	X2		NI
R	Delta mudwort	<i>Limosella subulata</i>	-	-	2	X			A
R	Delta tule pea	<i>Lathyrus jepsonii var. jepsonii</i>	-	-	IB/SC	X			A
M	Diablo helianthella	<i>Helianthella castanea</i>	-	-	IB/SC	X			B
M P	Diamond-petaled California poppy	<i>Eschscholzia rhombipetala</i>	-	-	IB/SC	X			B
P	Dimorphic snapdragon	<i>Antirrhinum subcordatum</i>	-	-	IB	X	X2		NI
P	Drymaria-like western flax	<i>Hesperolinon drymarioides</i>	-	-	IB	X	X2		NI
P	Dwarf Downingia	<i>Downingia pusilla</i>	-	-	2	X			NI
P	Dwarf soaproot	<i>Chlorogalum pomeridianum var. minus</i>	-	-	IB	X	X2		NI
M P	Eel-grass pondweed	<i>Potamogeton zosteriformis</i>	-	-	2	X			A
P	El Dorado County mule ears	<i>Wyethia reticulata</i>	-	-	IB/SC	X	X2		NI
P	English sundew	<i>Drosera anglica</i>	-	-	2	X	X2		NI
P	Enterprise clarkia	<i>Clarkia mosquinii ssp. xerophila</i>	-	-	IB/SC	X	X2		NI
P	Feather River stonecrop	<i>Sedum albomarginatum</i>	-	-	IB	X	X2		NI

Type ¹	Common Name ²	Scientific Name	Status ³			Potential Effects of CALFED Actions on Species ⁴		
			Federal	State	Other	May Be Affected	Not Likely to be Affected	Not Enough Information on the Species
M	P Ferris' milkvetch	<i>Astragalus tener var. ferrisiae</i>	-	-	1B/SC	X		A
M	P Four-angled spikerush	<i>Eleocharis quadrangulata</i>	-	-	2	X		A
P	Fox sedge	<i>Carex vulpinoidea</i>	-	-	2	X		NI
P	Fragrant fritillary	<i>Fritillaria liliacea</i>	-	-	1B/SC	X2		NI
P	Frecc's jewelflower	<i>Streptanthus brachiatius ssp. hoffmannii</i>	-	-	1B/SC	X2		NI
P	Golden draba	<i>Draba aureola</i>	-	-	1B	X2		NI
P	Hairless popcornflower	<i>Plagiobothrys glaber</i>	-	-	1A	X2		NI
P	Hall's bush mallow	<i>Malacothamnus hallii</i>	-	-	1B	X		NI
P	Hall's madia	<i>Madia hallii</i>	-	-	1B/SC	X2		NI
P	Hall's rupertia	<i>Rupertia hallii</i>	-	-	1B	X2		NI
M	P Heartscale	<i>Atriplex cordulata</i>	-	-	1B/SC	X		A
M	P Heckard's peppergrass	<i>Lepidium latipes var. heckardii</i>	-	-	1B	X		B
M	P Hispid bird's-beak	<i>Cordylanthus mollis ssp. hispidus</i>	-	-	1B/SC	X		A
P	Hooked popcornflower	<i>Plagiobothrys uncinatus</i>	-	-	1B/SC	X		NI
P	Hoover's calycadenia	<i>Calycadenia hooveri</i>	-	-	1B/SC	X		NI
M	P Hospital Canyon larkspur	<i>Delphinium californicum ssp. interius</i>	-	-	1B/SC	X		B
P	Indian Valley bush mallow	<i>Malacothamnus aboriginum</i>	-	-	1B	X2		NI
P	Jepson's milkvetch	<i>Astragalus rattanii var. jepsonianus</i>	-	-	1B	X2		NI
P	Jepson's onion	<i>Allium jepsonii</i>	-	-	1B/SC	X2		NI
P	Kruckeberg's jewelflower	<i>Streptanthus morrisonii ssp. kruckebergii</i>	-	-	1B/SC	X2		NI
P	Lassen Peak smelowskia	<i>Smelowskia ovalis var. congesta</i>	-	-	1B/SC	X2		NI
M	P Legenere	<i>Legenere limosa</i>	-	-	1B/SC	X		B
M	P Lesser saltscale	<i>Atriplex minuscula</i>	-	-	1B/SC	X		A
P	Long-haired star-tulip	<i>Calochortus longebarbatus var. longebarbatus</i>	-	-	1B	X2		NI
P	Long-leaved starwort	<i>Stellaria longifolia</i>	-	-	2	X2		NI
M	P Lost Hills crownscale	<i>Atriplex vallicola</i>	-	-	1B/SC	X		A
M	P Mad-dog skullcap	<i>Scutellaria lateriflora</i>	-	-	2	X		A
P	Madera linanthus	<i>Linanthus serrulatus</i>	-	-	1B	X		NI
P	Marin County navarretia	<i>Navarretia rosulata</i>	-	-	1B	X2		NI
M	P Mariposa clarkia	<i>Clarkia biloba ssp. australis</i>	-	-	1B	X		B

Potential Effects of CALFED
Actions on Species⁴

Type ¹	Common Name ²	Scientific Name	Status ³			May Be Affected	Not Likely to be Affected	Not Enough Information on the Species	Decision Criteria ⁵
			Federal	State	Other				
M	Marsh checkerblooms	<i>Sidalcea oregana</i> ssp. <i>hydropitha</i>	-	-	IB/SC	X			A
P	Marsh skullcap	<i>Scutellaria galericulata</i>	-	-	2	X			NI
P	Merced monardella	<i>Monardella leucocephala</i>	-	-	1A/SC		X2		NI
M	Merced phacelia	<i>Phacelia ciliata</i> var. <i>opaca</i>	-	-	IB/SC	X			B
P	Mingan moonwort	<i>Botrychium minganense</i>	-	-	2		X2		NI
P	Mosquin's clarkia	<i>Clarkia mosquini</i>	-	-	IB	X			NI
P	Moss phlox	<i>Phlox diffusa</i>	-	-	2		X2		NI
P	Most beautiful jewelflower	<i>Streptanthus albidus</i> ssp. <i>peramoenus</i>	-	-	IB/SC	X			NI
P	Mt. Tamalpais jewelflower	<i>Streptanthus glandulosus</i> ssp. <i>pulchellus</i>	-	-	IB		X2		NI
P	Mt. Diablo buckwheat	<i>Eriogonum truncatum</i>	-	-	1A/SC		X2		NI
P	Mt. Diablo fairy-lantern	<i>Calochortus pulchellus</i>	-	-	IB	X			NI
M	Mt. Diablo jewelflower	<i>Streptanthus hispidus</i>	-	-	IB/SC	X			B
M	Mt. Diablo manzanita	<i>Arctostaphylos auriculata</i>	-	-	IB	X			B
P	Mt. Diablo phacelia	<i>Phacelia phaceloides</i>	-	-	IB/SC	X			NI
M	Mt. Hamilton coreopsis	<i>Coreopsis hamiltonii</i>	-	-	IB/SC	X			B
M	Mt. Hamilton jewelflower	<i>Streptanthus callistus</i>	-	-	IB/SC	X			B
P	Mt. Hamilton thistle	<i>Cirsium fontinale</i> var. <i>campylon</i>	-	-	IB/SC	X			NI
P	Mt. Tilden manzanita	<i>Liranthus nuttallii</i> ssp. <i>howellii</i>	-	-	IB/SC		X2		NI
P	Munz's tidy-tips	<i>Layia munzii</i>	-	-	IB	X			NI
M	Napa western flax	<i>Hesperolinon serpentinum</i>	-	-	IB	X			B
P	Narrow-leaved daisy	<i>Erigeron angustatus</i>	-	-	IB		X2		NI
P	Niles manzanita	<i>Arctostaphylos nilesiae</i>	-	-	IB		X2		NI
P	Nissenan manzanita	<i>Arctostaphylos nissenana</i>	-	-	IB/SC		X2		NI
F	Northern California black walnut (native stands)	<i>Juglans californica</i> var. <i>hindsii</i>	-	-	IB/SC	X			A
P	Northern daisy	<i>Trimorphia acris</i> var. <i>debilis</i>	-	-	2		X2		NI
P	Northern spleenwort	<i>Asplenium septentrionale</i>	-	-	2		X2		NI
P	Nuttall's pondweed	<i>Potamogeton epihydrus</i> ssp. <i>nuttallii</i>	-	-	2		X2		NI
P	Obtuse starwort	<i>Stellaria obtusa</i>	-	-	2		X2		NI
P	Oregon fireweed	<i>Epilobium oreganum</i>	-	-	IB/SC		X2		NI
P	Pale-yellow layia	<i>Layia heterotricha</i>	-	-	IB		X2		NI

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Type ¹	Common Name ²	Scientific Name	Status ³			Potential Effects of CALFED Actions on Species ⁴		
			Federal	State	Other	May Be Affected	Not Likely to be Affected	Not Enough Information on the Species
M	Panoche peppergrass	<i>Lepidium jaredii</i> ssp. <i>album</i>	-	-	1B/SC	X		A
P	Parry's horsetail	<i>Horkelia parryi</i>	-	-	1B/SC		X2	NI
P	Petaluma popcornflower	<i>Plagiobothrys mollis</i> var. <i>vestitus</i>	-	-	1A		X2	NI
M	Pincushion navarretia	<i>Navarretia myersii</i>	-	-	1B	X		B
P	Pleasant Valley mariposa lily	<i>Calochortus clavatus</i> var. <i>avius</i>	-	-	1B/SC		X2	NI
M	Point Reyes bird's-beak	<i>Cordylanthus maritimus</i> ssp. <i>palustris</i>	-	-	1B/SC	X		A
P	Point Reyes checkerbloom	<i>Sidalcea calycosa</i> ssp. <i>rhizomatosa</i>	-	-	1B		X2	NI
P	Pointed broom sedge	<i>Carex scoparia</i>	-	-	2		X2	NI
P	Prairie wedge grass	<i>Sphenopholis obtusata</i>	-	-	2		X	NI
P	Quincy lupine	<i>Lupinus dalesiae</i>	-	-	1B		X2	NI
P	Rayless layia	<i>Layia discoidea</i>	-	-	1B		X2	NI
P	Rayless ragwort	<i>Senecio aphanactis</i>	-	-	2		X2	NI
P	Recurved larkspur	<i>Delphinium recurvatum</i>	-	-	1B/SC	X		NI
P	Red Bluff dwarf rush	<i>Juncus leiospermus</i> var. <i>leiospermus</i>	-	-	1B		X2	NI
M	Red Hills ragwort	<i>Senecio clevelandii</i> var. <i>heterophyllus</i>	-	-	1B	X		B
P	Red Hills soaproot	<i>Chlorogalum grandiflorum</i>	-	-	1B/SC		X2	NI
M	Red-flowered lotus	<i>Lotus rubriflorus</i>	-	-	1B/SC	X		B
P	Rincon manzanita	<i>Arctostaphylos stanfordiana</i> ssp. <i>decumbens</i>	-	-	1B		X2	NI
P	Rincon Ridge ceanothus	<i>Ceanothus confusus</i>	-	-	1B/SC		X2	NI
P	Robust monardella	<i>Monardella villosa</i> ssp. <i>globosa</i>	-	-	1B		X2	NI
M	Rose-mallow	<i>Hibiscus lasiocarpus</i>	-	-	2	X		A
P	San Benito spineflower	<i>Chorizanthe biloba</i> var. <i>immemoria</i>	-	-	1B		X2	NI
P	San Francisco owl's clover	<i>Triphysaria floribunda</i>	-	-	1B		X2	NI
M	San Joaquin spearscale	<i>Atriplex joaquiniana</i>	-	-	1B/SC	X		A
M	Sanford's arrowhead	<i>Sagittaria sanfordii</i>	-	-	1B/SC	X		A
P	Santa Clara red ribbons	<i>Clarkia concinna</i> ssp. <i>autumnalis</i>	-	-	1B/SC	X		NI
M	Saw-toothed lewisia	<i>Lewisia serrata</i>	-	-	1B/SC	X		B
P	Scalloped moonwort	<i>Botrychium crenulatum</i>	-	-	1B/SC	X		NI
P	Serpentine cryptantha	<i>Cryptantha clevelandii</i> var. <i>dissita</i>	-	-	1B		X2	NI
M	Shaggyhair lupine	<i>Lupinus spectabilis</i>	-	-	1B/SC	X		B

**Potential Effects of CALFED
Actions on Species⁴**

Type ¹	Common Name ²	Scientific Name	Status ³			May Be Affected	Not Likely to be Affected	Not Enough Information on the Species	Decision Criteria ⁵
			Federal	State	Other				
M	P Sharsmith's harebell	<i>Campanula sharsmithiae</i>	-	-	IB/SC	X			B
P	Sharsmith's onion	<i>Allium sharsmithiae</i>	-	-	IB/SC	X			NI
P	Shasta clarkia	<i>Clarkia borealis ssp. arida</i>	-	-	IB/SC		X2		NI
P	Shasta snow-wreath	<i>Neviusia clintonii</i>	-	-	IB		X2		NI
P	Shining navarretia	<i>Navarretia nigriliformis ssp. radians</i>	-	-	IB	X			NI
P	Shore sedge	<i>Carex limosa</i>	-	-	2		X2		NI
M	P Showy madia	<i>Madia radiata</i>	-	-	IB	X			B
P	Silky cryptantha	<i>Cryptantha crinita</i>	-	-	IB/SC		X2		NI
P	Slender bulrush	<i>Scirpus heterochaetus</i>	-	-	2		X2		NI
P	Slender sedge	<i>Carex lasiocarpa</i>	-	-	2		X		NI
P	Slender-leaved pondweed	<i>Potamogeton filiformis</i>	-	-	2		X		NI
M	P Slough thistle	<i>Cirsium crassicaule</i>	-	-	IB/SC	X			A
P	Small's southern clarkia	<i>Clarkia australis</i>	-	-	IB		X2		NI
P	Snow Mountain buckwheat	<i>Eriogonum nervulosum</i>	-	-	IB/SC		X2		NI
P	Socrates mine jewelflower	<i>Streptanthus brachiatus ssp. brachiatus</i>	-	-	IB/SC		X2		NI
P	Sonoma beardtongue	<i>Penstemon newberryi var. sonomensis</i>	-	-	IB		X2		NI
P	Sonoma ceanothus	<i>Ceanothus sonomensis</i>	-	-	IB/SC		X2		NI
P	Sonoma manzanita	<i>Arctostaphylos canescens ssp. sonomensis</i>	-	-	IB		X2		NI
M	P Spiny-sepaled button-celery	<i>Eryngium spinosepalum</i>	-	-	IB/SC	X			A
P	Stebbins' lewisia	<i>Lewisia stebbinsii</i>	-	-	IB/SC		X2		NI
P	Stebbins' madia	<i>Madia stebbinsii</i>	-	-	IB/SC		X2		NI
P	Stebbins' phacelia	<i>Phacelia stebbinsii</i>	-	-	IB/SC		X2		NI
P	Sticky pyrocoma	<i>Pyrocoma lucida</i>	-	-	IB		X2		NI
R	P Suisun Marsh aster	<i>Aster latus</i>	-	-	IB/SC	X			A
P	Suksdorf's milkvetch	<i>Astragalus pulisferae var. suksdorffii</i>	-	-	IB/SC		X2		NI
P	Talus collomia	<i>Collomia larsenii</i>	-	-	2		X2		NI
P	Talus fritillary	<i>Fritillaria falcata</i>	-	-	IB/SC	X			NI
P	Tehama County western fax	<i>Hesperolinon tehamaense</i>	-	-	IB		X2		NI
P	The Lassics sandwort	<i>Minuartia decumbens</i>	-	-	IB/SC		X2		NI
P	Three Peaks jewelflower	<i>Streptanthus morrisonii ssp. elatus</i>	-	-	IB/SC		X2		NI

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Potential Effects of CALFED
Actions on Species⁴

Type ¹	Common Name ²	Scientific Name	Status ³			May Be Affected	Not Likely to be Affected	Not Enough Information on the Species	Decision Criteria ⁵
			Federal	State	Other				
P	Tracy's sanicle	<i>Sanicula tracyi</i>	-	-	IB/SC	-	X2	-	NI
P	Tuolumne fawn lily	<i>Erythronium tuolumnense</i>	-	-	IB	-	X2	-	NI
P	Two-carpellate western flax	<i>Hesperolinon bicarpellatum</i>	-	-	IB/SC	-	X2	-	NI
P	Upswept moonwort	<i>Botrychium ascendens</i>	-	-	2/SC	-	X2	-	NI
P	Veiny monardella	<i>Monardella douglasii ssp. venosa</i>	-	-	IB/SC	-	X2	-	NI
P	Water bulrush	<i>Scirpus subterminalis</i>	-	-	2	-	X2	-	NI
P	Western goblin	<i>Botrychium montanum</i>	-	-	2	-	X2	-	NI
P	Western leatherwood	<i>Drimys occidentalis</i>	-	-	IB	-	X	-	NI
P	White-stemmed clarkia	<i>Clarkia gracilis ssp. albicaulis</i>	-	-	IB	-	X2	-	NI
P	White-stemmed pondweed	<i>Potamogeton praelongus</i>	-	-	2	-	X	-	NI
P	Wilkin's harebell	<i>Campanula wilkinsiana</i>	-	-	IB/SC	-	X2	-	NI
P	Woolly meadowfoam	<i>Limnanthes floccosa ssp. floccosa</i>	-	-	2	-	X2	-	NI
P	Woolly violet	<i>Viola tomentosa</i>	-	-	IB	-	X2	-	NI
P	Wright's trichocoronis	<i>Trichocoronis wrightii var. wrightii</i>	-	-	2	-	X	-	NI

Other Species of Concern or CNPS List 3

M	San Pablo California vole	<i>Microtus californicus sanpabloensis</i>	-	-	SC	-	X	-	B
M	Berkeley kangaroo rat	<i>Dipodomys heermanni berkeleyensis</i>	-	-	SC	-	X2	-	NI
M	Merced kangaroo rat	<i>Dipodomys heermanni dixoni</i>	-	-	SC	-	X	-	NI
M	San Joaquin pocket mouse	<i>Perognathus inornatus</i>	-	-	SC	-	X	-	NI
M	Fringed myotis	<i>Myotis thysanodes</i>	-	-	SC	-	X	-	NI
M	Long-eared myotis	<i>Myotis evotis</i>	-	-	SC	-	X2	-	NI
M	Long-legged myotis	<i>Myotis volans</i>	-	-	SC	-	X1	-	NI
M	Red bat	<i>Lasiurus borealis</i>	-	-	SC	-	X	-	NI
M	Small-footed myotis	<i>Myotis ciliolabrum</i>	-	-	SC	-	X2	-	NI
M	Yuma myotis	<i>Myotis yumanensis</i>	-	-	SC	-	X	-	NI
B	California horned lark	<i>Eremophila alpestris actia</i>	-	-	SC	-	X	-	NI
B	Northern goshawk	<i>Accipiter gentilis</i>	-	-	SC	-	X1	-	NI
B	Black-crowned night heron (rookery)	<i>Nycticorax nycticorax</i>	-	-	SC	-	X	-	A
B	Great blue heron (rookery)	<i>Ardea herodias</i>	-	-	SC	-	X	-	A
M	Great egret (rookery)	<i>Casmerodium albus</i>	-	SB	SC	-	X	-	A

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**Potential Effects of CALFED
Actions on Species⁴**

Type ¹	Common Name ²	Scientific Name	Status ³			May Be Affected	Not Likely to be Affected	Not Enough Information on the Species	Decision Criteria ⁵
			Federal	State	Other				
M B	Snowy egret (rookery)	<i>Egretta thula</i>	-	SB	SC	X			A
A	Cascades frog	<i>Rana cascadae</i>	-	-	SC		X2		NI
A	Shasta salamander	<i>Hydromantes shastae</i>	-	-	SC		X2		NI
F	Rough sculpin	<i>Cottus asperinus</i>	-	-	SC		X2		NI
F	Pacific lamprey	<i>Lampetra tridentata</i>	-	-	SC		X		NI
I	Antioch andrenid bee	<i>Perdita scitula antiochensis</i>	-	-	SC	X			NI
I	Antioch miltiid wasp	<i>Myrmecosula pacifica</i>	-	-	SC	X			NI
I	Antioch sphecid wasp	<i>Philanthus nasalis</i>	-	-	SC	X			NI
I	Redheaded sphecid wasp	<i>Eucerceris ruficeps</i>	-	-	SC	X			NI
I	Yellow-banded andrenid bee	<i>Perdita hirticeps luteocincta</i>	-	-	SC		X		NI
I	Antioch cophurian robberfly	<i>Cophura hirdi</i>	-	-	SC		X		NI
I	Antioch efferian robberfly	<i>Efferia anticohi</i>	-	-	SC		X		NI
I	Gold Rush hanging fly	<i>Orbittacus obscurus</i>	-	-	SC	X			NI
I	Hurd's metapogon robberfly	<i>Metapogon hundi</i>	-	-	SC		X		NI
I	Opler's longhorn moth	<i>Adela oplerella</i>	-	-	SC		X2		NI
I	Bohart's blue butterfly	<i>Philotiella speciosa bohartorum</i>	-	-	SC	X			NI
I	Marin elfin butterfly	<i>Incisalia mossi</i>	-	-	SC		X2		NI
I	Amphibious caddisfly	<i>Desmona bethula</i>	-	-	SC		X		NI
I	Antioch Dunes anthicid beetle	<i>Anthicus antiochenensis</i>	-	-	SC		X		NI
I	Ciervo aegialian scarab beetle	<i>Aegialia concinna</i>	-	-	SC		X		NI
I	Curved-foot hygrotus diving beetle	<i>Hygrotus curvipes</i>	-	-	SC		X		NI
I	Globose dune beetle	<i>Coelus globosus</i>	-	-	SC		X		NI
I	Ground beetle (no common name)	<i>Scaphinotus behrensi</i>	-	-	SC		X		NI
I	Leech's skyline diving beetle	<i>Hydroporus leechi</i>	-	-	SC		X		NI
I	Moestan blister beetle	<i>Lytta moesta</i>	-	-	SC		X		NI
I	Molestan blister beetle	<i>Lytta molesta</i>	-	-	SC		X		NI
I	Ricksecker's water scavenger beetle	<i>Hydrochara rickseckeri</i>	-	-	SC		X		NI
M I	Sacramento anthicid beetle	<i>Anthicus sacramento</i>	-	-	SC	X			A
I	Sacramento Valley tiger beetle	<i>Cicindela hirticollis abrupta</i>	-	-	SC		X		NI
I	Sun Joaquin dune beetle	<i>Coelus gracilis</i>	-	-	SC		X		NI

Potential Effects of CALFED
Actions on Species⁴

Type ¹	Common Name ²	Scientific Name	Status ³			May Be Affected	Not Likely to be Affected	Not Enough Information on the Species	Decision Criteria ⁵
			Federal	State	Other				
I	San Joaquin tiger beetle	<i>Cicindela tranquebarica</i> ssp.	-	-	SC	X			NI
I	Sandy beach tiger beetle	<i>Cicindela hirticollis</i> <i>gravida</i>	-	-	SC	X			NI
I	Middlekauf's shieldback katydid	<i>Idiostatus middlekaufi</i>	-	-	SC	X			NI
I	Bridges' Coast Range shoulderband snail	<i>Helminthoglypta nickliniana</i> <i>bridgesi</i>	-	-	SC		X2		NI
I	Merced Canyon shoulderband snail	<i>Helminthoglypta allynsmithi</i>	-	-	SC	X			NI
I	Williams' bronze shoulderband snail	<i>Helminthoglypta arrosa williamsi</i>	-	-	SC	X			NI
P	Bisbee Peak rush-rose	<i>Helianthemum suffrutescens</i>	-	-	3		X2		NI
P	Butte County morning-glory	<i>Calystegia ariplicifolia</i> ssp. <i>butensis</i>	-	-	3/SC		X2		NI
P	California sycamore	<i>Platanus racemosa</i>	-	-	SC	X			NI
P	Clustered lady's-slipper	<i>Cypripedium fasciculatum</i>	-	-	SC		X2		NI
P	Dissected-leaf toothwort	<i>Cardamine pachystigma</i> var. <i>dissimilis</i>	-	-	3		X2		NI
P	Douglas' pogogyne	<i>Pogogyne douglasii</i> ssp. <i>parviflora</i>	-	-	3	X			NI
P	Dubious pea	<i>Lathyrus sulphureus</i> var. <i>argillaceus</i>	-	-	3		X2		NI
P	Forked fiddleneck	<i>Amsinckia vernicosa</i> var. <i>furcata</i>	-	-	SC		X2		NI
P	Gardner's yampah	<i>Perideridia gairdneri</i> ssp. <i>gairdneri</i>	-	-	SC		X2		NI
P	Hayfield tarplant	<i>Hemizonia congesta</i> ssp. <i>leucocephala</i>	-	-	3		X2		NI
M	Henderson's bent grass	<i>Agrostis hendersonii</i>	-	-	3/SC	X		A	
P	Little mousetail	<i>Myosurus minimus</i> ssp. <i>apus</i>	-	-	3/SC	X		NI	
M	Marin knotweed	<i>Polygonum marinense</i>	-	-	3/SC	X		A	
P	Mt. Saint Helena morning-glory	<i>Calystegia collina</i> ssp. <i>oxyphylla</i>	-	-	SC		X2		NI
P	Nelson's pepperwort	<i>Marsilea oligospora</i>	-	-	3	X			NI
P	Pubescent needlegrass	<i>Achnatherum lemnoides</i> var. <i>pubescens</i>	-	-	3		X2		NI
M	San Antonio Hills monardella	<i>Monardella antonina</i> ssp. <i>antonina</i>	-	-	3	X		A	
P	Santa Cruz Mtns. pussypaws	<i>Calyptridium parryi</i> var. <i>hesseae</i>	-	-	3		X2		NI
P	Serpentine monkeyflower	<i>Mimulus bracteatus</i>	-	-	3		X2		NI
P	Siskiyou Mtns. huckleberry	<i>Vaccinium coccineum</i>	-	-	3		X2		NI
m	Stinkbells	<i>Fritillaria agrestis</i>	-	-	SC				
P	Streamside daisy	<i>Erigeron bioretii</i>	-	-	3		X2		NI
P	Sweet marsh ragwort	<i>Senecio hydrophiloides</i>	-	-	3		X2		NI
P	Tiburon buckwheat	<i>Eriogonum luteolum</i> var. <i>caninum</i>	-	-	3		X2		NI

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Type ¹	Common Name ²	Scientific Name	Status ³			Potential Effects of CALFED Actions on Species ⁴		
			Federal	State	Other	May Be Affected	Not Likely to be Affected	Not Enough Information on the Species
P.	Vernal pool saltbush	<i>Atriplex persistens</i>			SC		X2	NI
P.	Western campion	<i>Silene occidentalis ssp. longistipitata</i>			3/SC		X2	NI
P.	Woolly-headed lessingia	<i>Lessingia hololeuca</i>			3		X2	NI

Notes:

¹ Type: M = mammal, B = bird, R = reptile, A = amphibian, F = fish, I = invertebrate, P = plant

² Common Name: (R) = Species for which recovery is a CALFED objective.

³ Status:**Federal**

E = Listed as endangered under ESA
 T = Listed as threatened under ESA
 PE = Proposed for listing as endangered under ESA
 PT = Proposed for listing as threatened under ESA
 C = Candidate for listing under ESA
 PR = Protected under the Bald and Golden Eagle Protection Act

State:

CE = Listed as endangered under CESA
 CT = Listed as threatened under CESA
 CCE = Candidate for listing as endangered under CESA
 CCT = Candidate for listing as threatened under CESA
 R = Listed as rare under California Native Plant Protection Act
 CSC = California species of special concern
 FP = Fully protected under California Fish and Game Code
 SB = Specified birds under California Fish and Game Code

Other:

1A = California Native Plant Society List 1A
 1B = California Native Plant Society List 1B
 2 = California Native Plant Society List 2
 3 = California Native Plant Society List 3
 SC = Other species of concern identified by CALFED

⁴ Potential Effects of CALFED Actions on Species:**May be Affected:**

X = CALFED actions may result in take of federally or state protected species, species are associated with habitat types or occur at specific locations that may be adversely or beneficially affected by CALFED depending on where CALFED actions would be implemented, or species that are rare or transient in the ERP Ecological Zones and may be affected by CALFED depending on when or where CALFED actions would be implemented.

Not Likely to be Affected:

X1 = CALFED actions do not affect the species because habitat is not limiting and the species is mobile.
 X2 = Species occurs in areas that would not be affected by CALFED actions.

Not Enough Information on the Species:

X = Not enough information on the species' biology or distribution to make a determination on effects.

⁵ Decision Criteria:

A = Included because CALFED actions could affect a substantial portion of the species' range or important habitat.
 B = Included because of limited distribution or rarity of the species.
 L = Included because species is federally or state listed as endangered, threatened, rare, or fully protected.
 P = Included because of the potential to become federally or state listed.
 NI and █ = The species would most likely not be addressed in the Conservation Strategy.